

Converting Colors

XYZ(12.0471, 9.7538, 112.3021)

Have a look what the booklet for
XYZ(12.0471, 9.7538, 112.3021)
contains.

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Color

**XYZ(22.0527, 15.2254,
96.3842)**

Conversions

Conversions Part 1

Format	Color
Hex	005EFF
RGB	0, 94, 255
RGB Percent	0%, 37%, 100%
CMY	0.9997, 0.6314, 0.0000
CMYK	1.00, 0.63, 0.00, 0.00
HSL	218°, 100%, 50%
HSV	218°, 100%, 100%
XYZ	22.0527, 15.2254, 96.3842
YIQ	84.2480, -107.7050, 30.1430

Conversions

Conversions Part 2

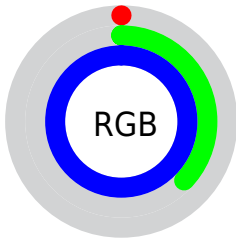
Format	Color
R _{YB}	0, 69, 255
Decimal	24319
CIE _{Lab}	45.94, 40.25, -85.24
CIE _{LCh}	46, 94.265, 295.278
Y _{xy}	15.2254, 0.1650, 0.1139
Android (android.graphics.Color)	4278214399 (0xFF005EFF)
YUV	84.2480, 84.1807, -73.8855
Hunter-Lab	39.0197, 32.5979, -119.1408

Details

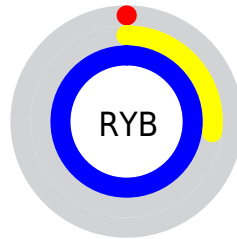
The XYZ color **22.0527, 15.2254, 96.3842** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **53.9990, 46.7773, 6.1851**, and the grayscale version is **8.3305, 8.7644, 9.5444**.

A 20% lighter version of the original color is **35.0935, 30.8114, 98.7053**, and **11.1764, 6.2278, 53.4364** is the 20% darker color. If you saturate the color by 10%, you get **22.0483, 15.2165, 96.3828**, and if you desaturate by 10%, it is **24.0524, 18.6083, 96.9318**.

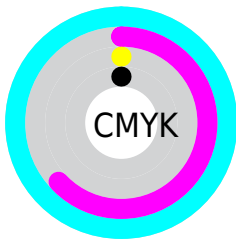
Distribution



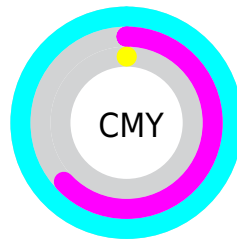
- Red (0%)
- Green (37%)
- Blue (100%)



- Red (0%)
- Yellow (27%)
- Blue (100%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0527, 15.2254, 96.3842 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.0527, 15.2254, 96.3842 by changing the saturation by 10% instead.

■ 22.0527, 15.2254,
96.3842

■ 22.0527, 15.2254,
96.3842

255.4486,
224.7265, 569.6841

■ 14.0124, 8.9777,
72.6843

■ 46.3113, 35.2481,
158.1875

■ 8.2111, 4.7267,
53.2276

■ 63.2603, 49.7919,
197.1281

■ 4.2833, 2.0878,
37.5956

■ 83.9097, 67.8700,
241.9860

■ 1.8636, 0.6577,
25.3696

■ 108.6247, 89.8665,
293.1797

■ 0.5555, 0.0000,
16.1311

■ 137.7708,
116.1661, 351.1279

■ 0.0000, 0.0000,
9.4616

171.7132,

■ 0.0000, 0.0000,

147.1530, 416.2489

4.9426

210.8173,
183.2117, 488.9615

■ 0.0000, 0.0000,
2.1555

■ 0.0000, 0.0000,
0.6485

■ 22.0527, 15.2254,
96.3842

■ 22.0527, 15.2254,
96.3842

■ 22.0483, 15.2165,
96.3828

■ 24.0524, 18.6083,
96.9318

■ 26.9067, 22.9009,
97.6099

■ 30.7963, 28.2197,
98.4315

■ 35.8366, 34.6460,
99.4063

■ 42.1260, 42.2512,
100.5428

■ 49.7513, 51.0996,
101.8488

■ 58.7911, 61.2500,
103.3316

■ 69.3175, 72.7573,
104.9979

■ 81.3975, 85.6730,
106.8542

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.2457, 15.2254, 110.0961



22.0527, 15.2254, 96.3842



31.0792, 15.2254, 56.2605

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.0527, 15.2254, 96.3842



25.0756, 15.2254, 0.1210



3.9400, 15.2254, 13.2201

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.0527, 15.2254, 96.3842



53.9990, 46.7773, 6.1851

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.1752, 15.2254, 2.0380



22.0527, 15.2254, 96.3842



15.7703, 15.2254, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.0527, 15.2254, 96.3842



33.2275, 15.2254, 4.0105



8.8634, 15.2254, 0.0000



4.5651, 15.2254, 43.2750

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.0527, 15.2254, 96.3842



34.9344, 15.2254, 30.4236



8.8634, 15.2254, 0.0000



4.1326, 15.2254, 7.7371

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.0535, 15.2256, 96.3842



58.7616, 61.2174, 103.3268



41.8707, 73.9644, 44.0933



11.7241, 12.1526, 21.9777



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0535, 15.2256, 96.3842



22.0483, 15.2165, 96.3828



18.5810, 7.4950, 95.0751



17.5511, 18.4737, 22.8907



11.6507, 8.2110, 50.4054



1.2345, 0.9997, 4.9412

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.2612, 22.0698, 12.5691



43.2581, 22.0673, 12.5574



66.8926, 87.5694, 13.3792



18.2860, 18.0977, 20.1234



22.6689, 11.5569, 6.9071



2.2577, 1.1455, 0.9386

Previews

White Background



This preview shows how the XYZ color 22.0527, 15.2254, 96.3842 looks on a white background.

Color Contrast Check

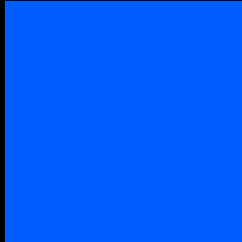
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.0527, 15.2254, 96.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

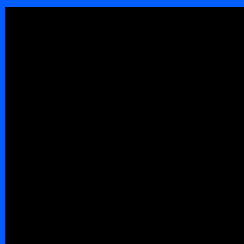
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

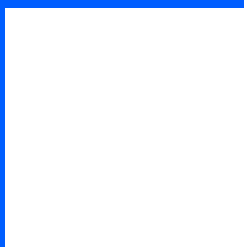
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0527, 15.2254, 96.3842

Background



This preview shows how black text looks on a background with the XYZ color 22.0527, 15.2254, 96.3842.



This preview shows how white text looks on a background with the XYZ color 22.0527, 15.2254,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.0527, 15.2254, 96.3842

Protanopia

17.8686, 15.0679, 69.6768

Deuteranopia

14.7615, 14.9997, 49.6942



Tritanopia

10.5472, 14.9652, 22.4114

Trichromacy



Original Color

22.0527, 15.2254, 96.3842

Protanomaly

19.2652, 14.9975, 78.9702

Deuteranomaly

16.9352, 14.8566, 64.2624

Tritanomaly

13.3244, 14.4249, 42.1264

Monochromacy



Original Color

22.0527, 15.2254, 96.3842

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.1462, 9.8117, 28.5532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0527, 15.2254, 96.3842 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 94, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.0527, 15.2254, 96.3842 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 94, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 94, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 94, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.0527, 15.2254, 96.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 94, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 94,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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